

## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Zenith 2B Machine Rinse Aid (020000, 020100,011330)

Revision 11

Revision date 2014-05-22

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

|              |   |
|--------------|---|
| Product name | Zenith 2B Machine Rinse Aid (020000, 020100,011330) |
| Product code | GREEN   |

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|             |   |
|-------------|---|
| Product Use | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products); |
|-------------|---|

##### 1.3. Details of the supplier of the safety data sheet

|           |   |
|-----------|---|
| Company   | Zenith Hygiene Group plc  |
| Address   | A1M Business Centre<br>Dixons Hill Road<br>Welham Green<br>Herts<br>AL9 7JE<br>United Kingdom |
| Web       | www.zhgplc.com  |
| Telephone | 01707 270260  |
| Email     | helpdesk@zhgplc.com   |

##### 1.4. Emergency telephone number

|                            |               |
|----------------------------|---------------|
| Emergency telephone number | 028 9267 3331 |
|----------------------------|---------------|

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

|              |                       |
|--------------|-----------------------|
| Main hazards | No Significant Hazard |
|--------------|-----------------------|

##### 2.2. Label elements

|              |                       |
|--------------|-----------------------|
| Risk phrases | No Significant Hazard |
|--------------|-----------------------|

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------|-----------|---------|--------|---------------------------|--------------|----------------|-----------|
| N/A           |           |         |        |                           | 1 - 10%      |                |           |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification | M-factor. |
|---------------|-----------|---------|--------|---------------------------|--------------|----------------|-----------|
| N/A           |           |         |        |                           | 1 - 10%      |                |           |

##### Further information

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## Further information

No substances in the preparation at a level that requires disclosure.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

|              |   |
|--------------|---|
| Inhalation   | Remove casualty from exposure ensuring one's own safety whilst doing so.                                |
| Eye contact  | Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.       |
| Skin contact | Wash with water. Seek medical attention if irritation or symptoms persist.                              |
| Ingestion    | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |

## 4.2. Most important symptoms and effects, both acute and delayed

|              |  |
|--------------|--|
| Inhalation   | May cause irritation to respiratory system.              |
| Eye contact  | No irritation expected.                                  |
| Skin contact | No irritation expected.                                  |
| Ingestion    | Unlikely to be harmful unless excessive amount ingested. |

## 4.3. Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Carbon dioxide (CO2). Water jet. For large fires:.. Alcohol resistant foam. Water jet.

## 5.2. Special hazards arising from the substance or mixture

No special hazards known.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Not normally required.

## 6.2. Environmental precautions

Do not allow product to enter drains. Dilute with water.

## 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 6.4. Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

## 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep container tightly closed.

## 7.3. Specific end use(s)

No specific advice for end use available.


## SECTION 8: Exposure controls/personal protection

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## 8.2. Exposure controls

|   |  |
|---|--|
|   |                       |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area.   |
| 8.2.2. Individual protection measures   | Adopt best Manual Handling considerations when handling, carrying and dispensing.                      |
| Eye / face protection                   | Not normally required. In case of splashing, wear: Safety glasses.                                     |
| Skin protection - Handprotection        | Wash hands after handling the product. For prolonged contact protection for the skin may be necessary. |
| Respiratory protection                  | Not normally required. Do not breathe gas/fumes/vapour/spray.  |

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

|                           |                   |
|---------------------------|-------------------|
| Appearance                | Liquid            |
| Colour                    | Blue              |
| Odour                     | Characteristic    |
| pH                        | 7                 |
| Melting point             | No data available |
| Freezing Point            | No data available |
| Initial boiling point     | No data available |
| Flash point               | No data available |
| Evaporation rate          | No data available |
| Flammability (solid, gas) | No data available |
| Fat Solubility            | No data available |
| Autoignition temperature  | No data available |
| Viscosity                 | No data available |
| Explosive properties      | No data available |
| Oxidising properties      | No data available |
| Partition coefficient     | No data available |
| Solubility                | Soluble in water  |

## 9.2. Other information

|                  |                        |
|------------------|------------------------|
| Conductivity     | No data available      |
| Surface tension  | No data available      |
| Specific gravity | 0.99 g/cm <sup>3</sup> |

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

|  |  |
|--|--|
|  | No reactivity hazards known under normal storage and use conditions. |
|--|--|

## 10.2. Chemical stability

|  |                                 |
|--|---------------------------------|
|  | Stable under normal conditions. |
|--|---------------------------------|

## 10.3. Possibility of hazardous reactions

|  |                                 |
|--|---------------------------------|
|  | No other adverse effects known. |
|--|---------------------------------|

## 10.4. Conditions to avoid

|  |       |
|--|-------|
|  | None. |
|--|-------|

## SECTION 11: Toxicological information

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## 11.1. Information on toxicological effects

|                        |                                   |
|------------------------|-----------------------------------|
| Germ cell mutagenicity | No mutagenic effects reported.    |
| Carcinogenicity        | No carcinogenic effects reported. |
| Reproductive toxicity  | No observed effect level.         |

## SECTION 12: Ecological information

## 12.2. Persistence and degradability

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 12.3. Bioaccumulative potential

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## Partition coefficient

|  |  |
|--|--|
|  | Zenith 2B Machine Rinse Aid No data available<br>(020000, 020100,011330) |
|--|--|

## 12.4. Mobility in soil

|  |                                       |
|--|---------------------------------------|
|  | No data is available on this product. |
|--|---------------------------------------|

## 12.5. Results of PBT and vPvB assessment

|  |   |
|--|---|
|  | Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3. |
|--|---|

## 12.6. Other adverse effects

|  |                                 |
|--|---------------------------------|
|  | No other adverse effects known. |
|--|---------------------------------|

## SECTION 13: Disposal considerations

## General information

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. |
|--|---|

## Disposal of packaging

|  |   |
|--|---|
|  | Dispose of in compliance with all local and national regulations. Empty containers can be cleaned with water. |
|--|---|

## Further information

|  |   |
|--|---|
|  | European Waste Catalogue:.. 20 01 30 detergents other than those mentioned in 20 01 29. |
|--|---|

## SECTION 14: Transport information

## 14.1. UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.2. UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.3. Transport hazard class(es)

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.4. Packing group

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.5. Environmental hazards

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.6. Special precautions for user

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

|  |  |
|--|--|
|  |  |
|--|--|

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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ingredients according to EC Detergent regulations shown in section 16 if applicable.

## 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

## Further information

For prolonged contact protection for the skin may be necessary.  
Safety data sheet available for professional user on request.

## SECTION 16: Other information

## Other information

|                        |   |
|------------------------|---|
| Revision               | This document differs from the previous version in the following areas:.  |
|                        | 3 - Further information.  |
|                        | 16 - Further information.   |
| Acronyms               | LC: Lethal concentration.<br>LD: Lethal dose.<br>N/A - Not applicable.<br>NDA - No data available.<br>NOAEC: No observed adverse effect concentration.<br>NOAEL: No observed adverse effect level.<br>NOEC: No observed effect concentration.<br>NOEL: No observed effect level.<br>PBT: Persistent, bioaccumulative and toxic.<br>SVHC. Substance of very high concern.<br>vPvB. Very persistent and very bioaccumulative.<br>*R01 - Polymer REACH number not available. |
| Labelling for contents | non-ionic surfactants 0% - < 5%<br>preservation agents 0% - < 5%  |

## Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Preservatives contains: (5 - chloro -2-methyl -4 -isothiazolin -3-one, 2 -methyl -4 -isothiazolin -3 -one).